

AMENDMENTS TO THE CLAIMS

1. (Original) A molding mold for molding a flange configuration provided with a reel hub portion having a flange and a hub arranged at a substantial center of said flange, and an insert portion disposed at a substantial center of said reel hub portion at an opposite side of said hub, comprising:

 a stationary side mold;

 a movable side mold; and

 a cavity formed between said stationary side mold and said movable side mold;

 said cavity, including:

 an insert attaching portion for attaching said insert portion by an insert molding;

 a flange forming portion for forming said flange; and

 a hub forming portion for forming said hub;

 wherein in a molding surface at a side of said hub forming portion of said flange forming portion, a dimension of a circular area over from a root end of said hub forming portion to a substantially intermediate portion between said root end and a circumferential end of said flange forming portion, is corrected in view of deformation upon molding.

2. (Original) A molding mold for molding a flange configuration provided with a reel hub portion having a flange and a hub arranged at a substantial center of said flange, and an insert portion disposed at a substantial center of said reel hub portion at an opposite side of said hub, comprising:

 a stationary side mold;

 a movable side mold; and

 a cavity formed between said stationary side mold and said movable side mold;

 said cavity, including:

 an insert attaching portion for attaching said insert portion by an insert molding;

 a flange forming portion for forming said flange; and

 a hub forming portion for forming said hub;

 wherein in a molding surface at a side of said hub forming portion of said flange forming portion, a dimension of a circular area over from a root end of said hub forming portion to a

substantially intermediate portion between said root end and a circumferential end of said flange forming portion, is corrected, so that height from a reference position at a side of said insert portion is set to be larger than the dimension before correction of said dimension.

3. (Currently amended) The molding mold according to Claim 1 or 2, wherein an amount of correction of the dimension in said circular area is changed so that the amount in said root end is larger whereas the amount in said substantially intermediate portion is smaller.

4. (Original) The molding mold according to Claim 2, wherein said height in said substantially intermediate portion is substantially as same as the height before correction of said dimension of said circular area.

5. (Original) A molding mold for molding a flange configuration provided with a reel hub portion having a flange and a hub arranged at a substantial center of said flange, and an insert portion disposed at a substantial center of said reel hub portion at an opposite side of said hub, comprising:

a stationary side mold;

a movable side mold; and

a cavity formed between said stationary side mold and said movable side mold;

said cavity, including:

an insert attaching portion for attaching said insert portion by an insert molding;

a flange forming portion for forming said flange; and

a hub forming portion for forming said hub;

wherein in a molding surface at a side of said hub forming portion of said flange forming portion, in a circular area over from a root end of said hub forming portion to a substantially intermediate portion between said root end and a circumferential end of said flange forming portion, height from a reference position at a side of said insert portion is gradually reduced from the root end to the circumferential end so that a degree of its reduction is large as compared with that of reduction from said substantially intermediate portion to said circumferential end.

6. (Original) The molding mold according to Claim 5, wherein said height in said circular area is substantially linearly reduced at a first gradient, and said height from said substantially intermediate portion to said circumferential end is substantially linearly reduced at a second gradient being more gentle than said first gradient.

7. (Original) The molding mold according to Claim 6, wherein a difference between height at said root end and height when extended to said base portion at said second gradient is within a range of 10 to 100 μm .

8. (Original) The molding mold according to Claim 6, wherein a difference between height at said root end and height when extended to said base portion at said second gradient is within a range of 30 to 60 μm .

9. (Currently amended) A molding method of molding a flange configuration using the molding mold according to Claim 1 ~~any one of Claims 1, 2 or 5~~.

10. (Currently amended) A tape cartridge, comprising:

a case;

a reel hub portion molded using the molding mold according to ~~any one of Claims 1, 2 or 5~~
Claim 1 and rotatably accommodated in said case; and

a tape-shaped recording medium wound around a hub of said reel hub portion;

wherein said reel hub portion has a pair of flanges and said hub, and has said insert portion at an opposite side of said hub.

11. (Original) The tape cartridge according to Claim 10, wherein a gradient of an inner surface of said flange molded in a molding surface of said flange forming portion is formed so as to be substantially linearly reduced from said root end of said hub to said circumferential end of said flange.

12. (New) The molding mold according to Claim 2, wherein an amount of correction of the dimension in said circular area is changed so that the amount in said root end is larger whereas the amount in said substantially intermediate portion is smaller.

13. (New) A molding method of molding a flange configuration using the molding mold according to Claim 2.

14. (New) A molding method of molding a flange configuration using the molding mold according to Claim 5.

15. (New) A tape cartridge, comprising:

a case;

a reel hub portion molded using the molding mold according to Claim 2 and rotatably accommodated in said case; and

a tape-shaped recording medium wound around a hub of said reel hub portion;

wherein said reel hub portion has a pair of flanges and said hub, and has said insert portion at an opposite side of said hub.

16. (New) A tape cartridge, comprising:

a case;

a reel hub portion molded using the molding mold according to Claim 5 and rotatably accommodated in said case; and

a tape-shaped recording medium wound around a hub of said reel hub portion;

wherein said reel hub portion has a pair of flanges and said hub, and has said insert portion at an opposite side of said hub.